

Sequence Listing

<110> Rosetta Inpharmatics, LLC

<120> Classification of Breast Cancer Patients Using a Combination
of Clinical Criteria and Informative Genesets

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<212> DNA

<213> Homo sapiens

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<308> AL049367

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<212> DNA

<213> Homo sapiens

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<210> 43
 <211> 787
 <212> DNA
 <213> Homo sapiens

<300>
 <308> NM_000363

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<212> DNA
<213> Homo sapiens

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<308> NM_000584

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<210> 51
 <211> 1722
 <212> DNA
 <213> Homo sapiens

<300>
 <308> NM_000599

<400> 51

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<210> 53
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 <212> DNA
 <213> Homo sapiens

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<210> 55
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<212> DNA

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<212> DNA

<213> Homo sapiens

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<308> NM_001168

<400> 63

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<300>

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<212> DNA

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<213> Homo sapiens

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<400> 76

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<308> NM_001605

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<212> DNA

<213> Homo sapiens

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<308> NM_001809

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<212> DNA

<213> Homo sapiens

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<308> NM_001909

<400> 83

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<210> 85
 <211> 817
 <212> DNA
 <213> Homo sapiens

<300>
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<212> DNA
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<213> Homo sapiens

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<400> 89

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<212> DNA

<213> Homo sapiens

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<308> NM_002106

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<213> Homo sapiens

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<308> NM_002422

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<212> DNA

<213> Homo sapiens

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<308> NM_003311

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<300>
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<300>
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<212> DNA

<213> Homo sapiens

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<308> NM_003406

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<210> 123

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<212> DNA

<213> Homo sapiens

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<308> NM_003504

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<212> DNA

<213> Homo sapiens

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<308> NM_003504

<400> 124

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<212> DNA

<213> Homo sapiens

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<308> NM_003600

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<213> Homo sapiens

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<308> NM_003600
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<212> DNA
<213> Homo sapiens

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<212> DNA
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 <213> Homo sapiens

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<212> DNA

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<210> 137
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 <212> DNA
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<210> 142
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 <212> DNA
 <213> Homo sapiens

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<210> 143
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 <212> DNA
 <213> Homo sapiens

<300>
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<210> 145
 <211> 983
 <212> DNA
 <213> Homo sapiens

<300>
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<212> DNA
<213> Homo sapiens

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<300>
<308> NM_004335

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<210> 147
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<300>
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<210> 148

<211> 60

<212> DNA

<213> Homo sapiens

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<308> NM_004336

<400> 148

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<210> 149

<211> 739

<212> DNA

<213> Homo sapiens

<300>

<308> NM_004345

<400> 149

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gggaggcaga catggggacc atgaagaccc aaagggatgg ccactccctg gggcggtgg 180
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<213> Homo sapiens

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<210> 151
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<213> Homo sapiens

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<300>
<308> NM_004577

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<400> 151
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<210> 152
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<212> DNA
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<300>

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<308> NM_004577

<400> 152

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<212> DNA

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<308> NM_004701

<400> 153

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<212> DNA

<213> Homo sapiens

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<308> NM_004702

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<213> Homo sapiens

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<210> 157

<211> 1491

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<300>

<308> NM_004710

<400> 157

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<212> DNA

<213> Homo sapiens

<300>

<308> NM_004710

<400> 158

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<212> DNA

<213> Homo sapiens

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<308> NM_004856

<400> 159

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<211> 60

<212> DNA

<213> Homo sapiens

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<308> NM_004856

<400> 160

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<210> 161

<211> 1536

<212> DNA

<213> Homo sapiens

<300>

<308> NM_004900

<400> 161

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<210> 162

<211> 60

<212> DNA

<213> Homo sapiens

<300>

<308> NM_004900

<400> 162

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<210> 163

<211> 1722

<212> DNA

<213> Homo sapiens

<300>

<308> NM_004988

<400> 163

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<212> DNA

<213> Homo sapiens

<300>

<308> NM_004988

<400> 164

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<210> 165

<211> 2334

<212> DNA

<213> Homo sapiens

<300>

<308> NM_004994

<400> 165

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 <213> Homo sapiens

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<210> 167
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 <212> DNA
 <213> Homo sapiens

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<300>
 <308> NM_005063

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<213> Homo sapiens

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<210> 169
<211> 634
<212> DNA
<213> Homo sapiens

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<300>
<308> NM_005101

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<213> Homo sapiens

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<308> NM_005139

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<212> DNA

<213> Homo sapiens

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<308> NM_005139

<400> 172

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<300>

<308> NM_005165

<400> 173

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 60

<212> DNA

<213> Homo sapiens

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<210> 179

<211> 1519

<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<308> NM_005461

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<212> DNA

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<308> NM_005532

<400> 183

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<300>

<308> NM_005566

<400> 185

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<212> DNA

<213> Homo sapiens

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<308> NM_005566

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<212> DNA

<213> Homo sapiens

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<308> NM_005689

<400> 187

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10> 188
11> 60
12> DNA
13> Homo sapiens

```

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08> NM_005689

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10> 189
11> 1830
12> DNA
13> Homo sapiens

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00>

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<308> NM_005749

<400> 189

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<211> 60

<212> DNA

<213> Homo sapiens

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<308> NM_005749

<400> 190

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<210> 191

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<212> DNA

<213> Homo sapiens

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<308> NM_005804

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<210> 192

<211> 60

<212> DNA

<213> Homo sapiens

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<308> NM_005804

<400> 192

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<212> DNA

<213> Homo sapiens

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<223> n = a,c,g, or t

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<308> NM_005945

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<210> 242

<211> 60

<212> DNA

<213> Homo sapiens

<300>

<308> NM_014321

<400> 242

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<210> 243

<211> 1455

<212> DNA

<213> Homo sapiens

<300>

<308> NM_014364

<400> 243

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cagccgtgcc cgggtgaccag agcaccgccc ccacctgagc ctaaggctga agtagagccc 180
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aagtatgact ccacccacgg ccgatacaag ggaagtgtgg aattcaggaa tggacaactg 480
gtcgtggaca accatgagat ctctgtctac cagtgcagg agcccaaaca gatcccttgg 540

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agggtgtgtcg ggagccccta cgtggtggag tccacaggcg tgtacctctc catacaggca 600
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<210> 244

<211> 60

<212> DNA

<213> Homo sapiens

<300>

<308> NM_014364

<400> 244

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<210> 245

<211> 935

<212> DNA

<213> Homo sapiens

<300>

<308> NM_014462

<400> 245

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aggagggaag aggtttttgga cgcgctggcc tcccgccgct gtgcattgca gcattatttc 180
agttcaaaat gaactatatg cctggcaccg ccagcctcat cgaggacatt gacaaaaagc 240
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ttgcaaactt agtgctacat cagactgtgg agcgtattca tgtgggcaaa aaatacgggtg 360
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cctcacgcat ttgatcacag actgtagagt tttgaaaagt cacttttatt ttaattatt 720
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gtttaaagaa acagtggcat agactccttc acacatcact gtggcaccag caactacttc 840
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<210> 246

<211> 60

<212> DNA

<213> Homo sapiens

<300>

<308> NM_014462

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<210> 247
<211> 890
<212> DNA
<213> Homo sapiens

<300>
<308> NM_014501

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<210> 248
<211> 60
<212> DNA
<213> Homo sapiens

<300>
<308> NM_014501

<400> 248
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<210> 249
<211> 1182
<212> DNA

<213> Homo sapiens

<300>
<308> NM_016095

<400> 249
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gttaccatta tccccaactt cagtctggac aagatctacc tcatcggggg ggacctggg 180
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accctgggtca aggatatgtg ggacactcgt atagccaaac tccgagtgtc tgctgacagc 480
tttgtgagac agcaggaggc acatgccaaag ctggataact tgaccttgat ggagatcaac 540
accagcggga ctttcctcac acaagcgctc aaccacatgt acaaactccg cacgaacctc 600

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cagcctctgg agagtactca gtctcaggac ttctagagaa aggcctggtg caggcggcctt 660
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cacttctgat gcatgaaaaa tgtgtgatgg tgcaaggaat ggattcagga tgttggttga 780
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gctcacagag aaggatggca gatggtgcag ccaacaatgc tgaccggtgc ttatcctcta 1140
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<210> 250
<211> 60
<212> DNA
<213> Homo sapiens

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<300>
<308> NM_016095

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<400> 250
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<210> 251
<211> 704
<212> DNA
<213> Homo sapiens

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<300>
<308> NM_016185

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<400> 251
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cttcaaggga gtcgacccca acagcaggaa tagctcccga gttttgcggc ctccagggtg 180
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tgcgccctgtg cccagcccgg tggccccggc cccagtgcc tccagaagaa atccccctgg 540
cggcaagtcc agcctcgtct tgggttagct ctgactgtcc tgaacgctgt cgttctgtct 600
gtttcctcca tgcttgagaa ctgcacaact tgagcctgac tgtacatctt cttggatttg 660
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<210> 252
<211> 60
<212> DNA
<213> Homo sapiens

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<300>
<308> NM_016185

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<400> 252
tgaaccaaca gaacaacctg tgaggaagaa caaaatggcc tctaatactt ttgggacacc 60

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<210> 253
<211> 2268
<212> DNA
<213> Homo sapiens

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<220>

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<221> Modified_base
 <222> 1 ... 2268
 <223> n = a,c,g, or t

<300>
 <308> NM_016359

<400> 253
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 agaacttagc caagagtctg ggtctccggg ccaacctgag ggcaaccaag ttgttaaaag 180
 ccttgaaagg ctacattaaa catgaggcaa gaaaaggaaa tgagaatcag gatgaaagtc 240
 aaacttctgc atcctcttgt gatgagactg agatacagat cagcaaccag gaagaagctg 300
 agagacagcc acttggccat gtcacccaaa caaggagaag gtgcaagact gtccgtgtgg 360
 accctgactc acagcagaat cattcagaga taaaaataag taatccact gaattccaga 420
 atcatgaaaa gcaggaaagc caggatctca gagctactgc aaaagttcct tctccaccag 480
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 ctgcaatcac tactccaaac tttaagaagc ttcatgaagc tcattttaag gaaatggagt 660
 ccattgatca atatatgtag agaaaaagaa acatttttgaa gaacacaatt ccatgaatga 720
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 ctggtctcaa actccaccaa atgtacttct tattcatttt atggaaaaga ctaggctttg 2160
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<210> 254
 <211> 60
 <212> DNA
 <213> Homo sapiens

<300>
 <308> NM_016359

<400> 254
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<210> 255
 <211> 1590
 <212> DNA

<213> Homo sapiens

<300>

<308> NM_016816

<400> 255

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atcgaccatg ccattgacat catctgtggg ttctgaagg aaaggtgctt ccgaggtagc 180
tcctaccctg tgtgtgtgtc caaggtggta aaggggtggc cctcaggcaa gggcaccacc 240
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<210> 256

<211> 60

<212> DNA

<213> Homo sapiens

<300>

<308> NM_016816

<400> 256

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<210> 257

<211> 2905

<212> DNA

<213> Homo sapiens

<300>

<308> NM_016817

<400> 257

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atgttctcga gctatcaaca aaatatatgt acttttgtga gctatgaatt ttctaattaa 180
attttacatg ctataacatg atttttacat gaatgatact ttgtttataa ctatcaaatg 240
tcagtatttt actacaattt tattataaag tgtacattat cactaaatga acttcgattt 300
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<210> 294

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<308> Contig37562

<400> 294

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<213> Homo sapiens

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<308> Contig37895

<400> 295

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cactgctggt ggtgtgaggg agccaggagc ccttcagaac tagtaagtct gagaagaggc 180
tgcacggggc ctaggagagg gagaaatgag cccgtccaag gtgaattcct tgattctcca 240
ttgtgagtcg accaagaaca agcactccct ccgactgact ctgcctacc aggatctgga 300
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<400> 296

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<210> 297

<211> 418

<212> DNA

<213> Homo sapiens

<300>

<308> Contig38288

<400> 297

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gggagcgtag gccccaggga gacttctaaa gccccccctg tcgtctgctc ttccccagc 180
accacagagg cacctgctgc acacacaagc atctcactcg gccacaggag ggggccaggc 240
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ttcctttgcc tgaagctggt ttgggaaggg tctccacaca ggcactgatc tcccaagctt 300
 ttgtcatgat gtcttttacc atttgataat tttaaacatt gtttttaaac ccaaaacatt 360
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 cccacaggag tgccccacag acccgctgga ccagcctgct gggggtcctg gccaggggtc 240
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 gttgtgttcc caaatctgat tcttcctatt gtcttgtaaa tcaaactcta agtgaaaact 360
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 cacaaacttt acactttaat ctgatgattg gatattttat tttagtgaat catcatcttg 180
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 gtatcagttt gaacctagaa tattgaatta aaatgctgtc tcagtatttt aaaagcaaaa 300
 aaggaatgga ggaaaattgc atcttagacc atttttatat gcagtgtaca atttgctggg 360
 ctagaaatga gataaagatt attttatttt gttcatatct tgtacttttc tattaaaaatc 420
 attttatgaa atcc 434

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<300>
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<400> 302
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 <212> DNA
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<300>
 <308> Contig40552

<400> 303
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 cttgcagctc cagagccccc tggcccagcc cgtgactcct ctttggggcc tacagatgaa 180
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 gttttgatgc cctcactagt gttgaagcct gttccagaga gaggtgggac tgcaaggaga 300
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<300>
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 tgtattcagt atttgaacgt cgtcctgttt gttgttagtt ttcttcatca tttattgtat 180
 agacaatttt taaatctctg taatatgata catttttcta tcttttaagt tattgttacc 240
 taaagttaat ccagattata tggtccttat atgtgtacaa cattaaaatg aaaggctttg 300
 tcttgcatgg tgaggtagag gcggaagttg gaatcagggt ttaggattct gtctctcatt 360
 agctgaataa tgtgaggatt aacttctgcc agctcagacc atttcctaata cagttgaaag 420
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 aactgttctt atgtc 495

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<213> Homo sapiens

<300>

<308> Contig41413

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<212> DNA

<213> Homo sapiens

<300>

<308> Contig41538

<400> 307

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gatgctgatt	agttctcagt	tttcattcag	ttcacatat	aaccaccatt	cctgccctcc	180
ctgccaaagg	tcataaatgg	tgactgccta	acaacaaaat	ttgcagtctc	atctcatttt	240
catccagact	tctggaactc	aaagattaac	ttttgactaa	ccctggaata	tctcttatct	300
cacttatagc	ttcaggcatg	tatttatatg	tattcttgat	agcaatacca	taatcaatgt	360
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<300>

<308> Contig41887

<400> 309

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ataccagga	agtcaccctg	cagccaggcg	aatacatcac	aaaagtcttt	gtcgccttcc	180
aagctttcct	ccgggggtatg	gtcatgtaca	ccagcaagga	ccgctatttc	tattttggga	240
agcttgatgg	ccagatctcc	tctgcctacc	ccagccaaga	ggggcagggtg	ctggtgggca	300
tctatggcca	gtatcaactc	cttggcatca	agagcattgg	ctttgaatgg	aattatccac	360
tagaggagcc	gaccactgag	ccaccagtta	atctcacata	ctcagcaaac	tcaccctgtg	420
gtcgttaggg	tgggggtatgg	ggccatccga	gctgaggcca	tctgtgtggg	ggtggctgat	480
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<210> 310

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<212> DNA

<213> Homo sapiens

<300>

<308> Contig41887

<400> 310

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<211> 745

<212> DNA

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<300>

<308> Contig42342

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cagagtccca ggtgtcagct ggtgggtctc ccaggagctg cccctccctg gaagtcacag 180
gacaggaatg acagatcagg gaactgcagg aagctgccac ctctggggtc agaatatgcc 240
cagcctgcgg gggctctcta tcgggggtctt cgagagccag acagcctgcc ttgtgtgca 300
tacctggctt tgctctgtgc agaaccagc acacgtgatt ttgtgtgaca tgccagcagc 360
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caccatgag tctgtccagc cttgtcacag atgcctgcgc caagctgcgg tcctgatttc 480
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gctttcagtt cacccttttc tttgctaact ttcttctat tttcttctaa tgcgagagct 600
tattaattcc atatttatca ttttgaataa cttttctct ttttagtaac aaaatgtact 660
tcactcttag taaaatgtat ttactatttt agtaacaaaa atatacttgc ctaatcatgt 720
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<213> Homo sapiens

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<308> Contig42342

<400> 312

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<210> 313

<211> 398

<212> DNA

<213> Homo sapiens

<300>

<308> Contig43645

<400> 313

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taataaagtt tcatgttaat gtcataggat ttttaaaaga gctataggta atttctgtat 180
aatatgtgta tattaaaatg taattgattt cagttgaaag tatttttaaag ctgataaata 240
gcattagggg tctttgcaat gtggtatcta gctgtattat tggttttatt tacttttaac 300
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<212> DNA

<213> Homo sapiens

<300>

<308> Contig43645

<400> 314

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<210> 315

<211> 478

<212> DNA

<213> Homo sapiens

<300>

<308> Contig44289

<400> 315

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aggccttcaa aagtaagggt ttttccttgt ttctccagtc agcttttgtc aactctaata 180
gttttttcat aaacattttt tatttgtata attgcaacag ttttaagaaat tatcacaact 240
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gtatctaaaa tttgaggtgt gttaagactg ctttttgttt taaaaaatgg tttacattca 360
aatttttgaa gtgttttatg cttcatatgg ctaagttgta gtttggcaga gttaacagca 420
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<210> 316

<211> 60

<212> DNA

<213> Homo sapiens

<300>

<308> Contig44289

<400> 316

catcagtctt gggaaatttg aactttgatc aacttaacta aagaaggaag ggtagtaaga 60

<210> 317

<211> 556

<212> DNA

<213> Homo sapiens

<300>

<308> Contig44909

<400> 317

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gccacagcag aagagccatt catctcataa acaaaaagga agaggaaaga atgaggaagg 180
accctgtgca aggttatattg caggcaggga tgggcttgta cctgacagca cccaccctg 240
tgtggccccc aggcctcat caccctcaga cccctcctaa gcagttccct cattgctctt 300
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gggagagaaa ccctggctct tcaccaggt ttcacacaca tgtaaatgaa acactatgtt 480
agtatctaac acactcctgg atacagaaca caagtcttgg cacatatgtg atggaaataa 540
agtgttttgc aatctt 556

<210> 318

<211> 60

<212> DNA

<213> Homo sapiens

<300>

<308> Contig44909

<400> 318

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<210> 319

<211> 710

<212> DNA

<213> Homo sapiens

<300>

<308> Contig45032

<400> 319

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tggcctaaca gacattaaac aaatgtctgt gaaactgaca taataaagta aggtaagtta 180
tatgtgagac attctctttt tataataatt cctgtaaagc agtacttact taggtaatga 240
tatcatactg ttttgtttta tatttttcct aagagctaaa acgtcatcct ctcttcagtg 300
atgtggactg ggaaaatctg cagcatcaga ctatgccttt catccccag ccagatgatg 360
aaacagatac ctccctatttt gaagccagga atactgctca gcacctgacc gtatctggat 420
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gttcaatgtg cttttaatgt acgttacagc tttcacagag ttaaaaggct gaaaggaata 600
tagtcagtaa tttatcttaa cctcaaaact gtatataaat cttcaaagct tttttcatct 660
atatttttg tttattgcac tttatgaaaa ctgaagcatc aataaaatta 710

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<210> 320

<211> 60

<212> DNA

<213> Homo sapiens

<300>

<308> Contig45032

<400> 320

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<210> 321

<211> 726

<212> DNA

<213> Homo sapiens

<300>

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<400> 321

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caggctcatca acctcaagtc tttacatata catgtatatt ccatatata tgtttatata 180
ggcccaagtt tctccttaat tgggatctat atactaccag cacaacatca aaaacatgta 240
attgaataca tcagagctat atatgtaagg aaatgactgg tgacccatt atcatcattg 300
ttgaattcat gttaagtaga ccctctaggg gaccataagg caattgagca cataacgaaa 360
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ccccttgtaa ttatgactct gagataaaat tgccattttg aaatttccaa agtaacaact 540
ttttttatct tatgaataaa cttgggattg caatttctct gatctgacaa tcaataactt 600

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taacaaagat ctaaataagt gtttcaagga aagttttcct aagcaaagt aatattacct 660
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 taaatg 726

<210> 322
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 <212> DNA
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<300>
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<400> 322
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<300>
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<400> 323
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 ccgcatgggc tgaggtgtag ctgattggct gccacatttc ggccatgctg gctggcgtgc 480
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<300>
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 <212> DNA
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<400> 325
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 tagcaatgat agattttgtt taagtcccct acactttctt atttctaaat gatcaagagt 180
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 aacccgaata tgggaattcag attgtttctg ccctcagtat catacttaaa aaacaagcat 300
 acaaacaac ataagggaac aaacagcaac cataacaaaa acaaaccttt aaaggtgggt 360

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ttttgctgtg ataaatgaat acggtactct gaaggagaaa aaagtttctc aaatgagctt 420
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cagaaaaacct caagtgaatt ttgtatgtaa atgaaatctt gaatgtaagt tctgtgattc 540
tttaagcaaa caattagctg aaaacttggt attgtttagt tttatgtagt aagtgacttg 600
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<210> 326

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<212> DNA

<213> Homo sapiens

<300>

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<210> 327

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<212> DNA

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<300>

<308> Contig48913

<400> 327

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ccgtgctgg gactcatgcg ggtcatttcc tgccggcctg gtttcgcctg gtcgtgtctt 480
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<210> 328

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<300>

<308> Contig49169

<400> 329

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aggggggtcac tgggtctcat agactgatat gaagtogaca tatttatagt gcttagagac 180
caaactaatg gaaggcagac tatttacagc ttagtatatg tgtacttaag tctatgtgaa 240
cagagaaatg cctcccgtag tgtttgaaag cgtaaagctg ataatgtaat taacaactgc 300

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tgagagatca aagattcaac ttgccatata cctcaaattc ggagaaacag ttaatttggg 360
caaatctaca gttctgtttt tgctactcta ttgtcattcc tgtttaatac tcactgtact 420
tgtatttgag acaaataagg gatactgaat tttatactgt tttctacttt tccattaaaa 480
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<210> 330
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ggatgagcgc agtttgctcg ctttctctcc ctgccggccc cctccgcccc cacacacact 540
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ctgtgactgt gtccatgtgt gtgtgtttgt ctgtgtgtgt tgcgggggat gggcacctgc 180

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atgaatgtgg tagagaaaat ggctctgctc agaggggaaga tacgcatagc aaggcagggg 240
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aagagctctg aatgaggaaa gtgcttctgt gctaaactcc cgcgctcctc gaatttcagt 480
cattcatgta ccgcctcga aatttttgca atatctgtgt accaactgtc catttactta 540
ataaagaagt tttcttttaa tt 562

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<210> 336

<211> 60

<212> DNA

<213> Homo sapiens

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<308> AI497657

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gctccctgat gggctggatg taacttgtgt cttctagccc ctttaaggagc ccaggtgttt 360
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<400> 338
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<210> 339
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 <213> Homo sapiens

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 aatataactg aaaattcatt ttgagaccaa gcaggatcaa gttttagtaa taaacactgg 780
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<210> 341
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<213> Homo sapiens

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<308> Contig52490

<400> 342

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<210> 343

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<212> DNA

<213> Homo sapiens

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<400> 343

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tttttatatt taaatatatc ttccaggttat tttcttactg ttgcttcaga tctaattgaa 240
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<300>
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<210> 351
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 <212> DNA

<213> Homo sapiens

<300>
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<400> 351
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ccttctcccc cactactact ggagcgtgcc cttgctgggg acgtggctgt gccctcagtt 600
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<210> 359

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<212> DNA

<213> Homo sapiens

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<308> Contig57584

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